

We Claim:

1. A tablet capable of being chewed or disintegrated in the oral cavity prior to swallowing, comprising a pharmaceutically active ingredient, and a matrix comprising
5 directly compressible dextrose monohydrate and sucralose, said tablet containing less than 5% fat and said matrix being substantially free of non-saccharide, water soluble polymeric binders.

2. The tablet of claim 1, wherein the active ingredient is selected from the group
10 consisting of acetaminophen, ibuprofen, pseudoephedrine, dextromethorphan, diphenhydramine, chlorpheniramine, calcium carbonate, magnesium hydroxide, magnesium carbonate, magnesium oxide, aluminum hydroxide, mixtures thereof, and pharmaceutically acceptable salts thereof.

3. The tablet of claim 1, wherein the directly compressible dextrose monohydrate
15 has an average particle size of about 100 to about 250 microns.

4. The tablet of claim 1, wherein the weight ratio of dextrose monohydrate to
sucralose is at least about 25:1.

5. The tablet of claim 1 containing about 15 to about 90 % by weight of dextrose
monohydrate based on the total weight of the tablet.

6. The tablet of claim 1 containing about 0.005 to about 10% by weight of
25 sucralose based on the total weight of the tablet.

7. The tablet of claim 1 containing less than 3 % by weight fat.

8. The tablet of claim 1 being substantially free of aspartame.

9. The tablet of claim 1 wherein the pharmaceutically active ingredient has an average particle size from about 100 to about 500 microns.

10. The tablet of claim 1 manufactured by a direct compression or dry granulation
5 process.

11. The tablet of claim 1 being substantially free of microcrystalline cellulose.

12. A tablet capable of being chewed or disintegrated in the oral cavity prior to
10 swallowing, comprising a pharmaceutically active ingredient; and a matrix comprising directly compressible dextrose monohydrate; sucralose; at least one disintegrating agent selected from microcrystalline cellulose, starch, sodium starch glycolate, crosslinked polyvinylpyrrolidone, crosslinked carboxymethylcellulose, and mixtures thereof; at least one
15 lubricant selected from magnesium stearate, stearic acid, and mixtures thereof; and optionally an auxiliary ingredient selected from fillers, sweeteners, surfactants, glidants, acidulents, antioxidants, preservatives, coloring, flavoring agents, and mixtures thereof; said tablet being substantially free of triglycerides and said matrix being substantially free of non-saccharide, water soluble polymeric binders.

13. The tablet of claim 13 wherein the tablet comprises no more than 25 % by
20 weight of said optional auxiliary ingredients.